ADSL2+ Bridge C2-010 / C2-010-I

Surf the internet, do emails and run multi-media at DSL Speed. On several computers all at the same time - save through the builtin frewall.

1 Ethernet port for comfortable home networking.

A new ADSL standard family known as ADSL2 addsfeatures and functionality that boost ADSL perfor-mance, improve interoperability and support newapplications, services and deployment scenarios. It is the right product to use router mode.

ADSL2+ is based on the ADSL2 standard but doubles the maximum frequency used for downstream datatransmission from 1.1 MHz to 2.2 MHz. As a result,downstream data rates are increased to up to 24Mbps on shorter phone lines.

The ADSL2 / ADSL2+ standard supports a gradual transition to advanced services and allows delivery of superior broadband services such as DVD-quality broadband content and video-on-demand.
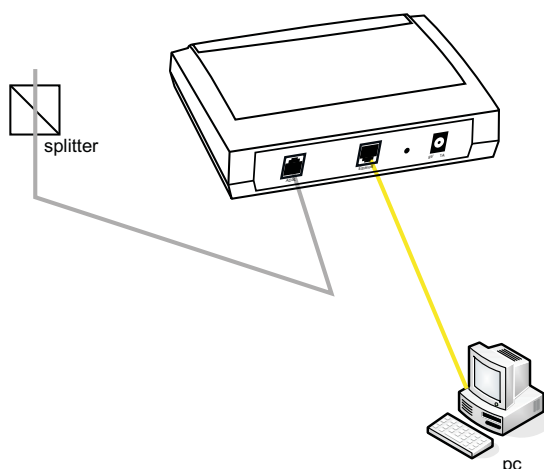
splitter

pc

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SOFTWARE

ADSL Compliance
- ANSI T1.413 Issue 2
- ITU G.992.1 Annex A (G.dmt)
- ITU G.992.1 Annex B (G.dmt) with UR2 compliant
- ITU G.992.2 Annex A (G.lite)
- ITU G.994.1 (G.hs)
- Support dying gasp
- Maximum Rate: 8 Mbps for downstream and 1 Mbps for upstream

ADSL2 Compliance
- ITU G.992.3 Annex A and Annex B (G.dmt.bis)
- ITU G.992.4 Annex A and Annex B (G.lite.bis)
- Support dying gasp (optional)
- Maximum Rate: 12 Mbps for downstream and 1 Mbps for upstream

ADSL2+ Compliance
- ITU G.992.5 Annex A and Annex B
- Support dying gasp (optional)
- Maximum Rate: 24 Mbps for downstream and 1 Mbps for upstream

ATM Features
- Compliant to ATM Forum UNI 3.1 / 4.0 Permanent Virtual Circuits (PVCs)
- Support up to 8 PVCs for UBR, CBR, VBR-nrt, VBR-rt with traffc shaping
- RFC2684 LLC Encapsulation and VC Multiplexing over AAL5
- RFC2364 Point-to-Point Protocol (PPP) over ATM
- RFC2225 Classical IP and ARP over ATM
- RFC2516 PPP over Ethernet: support Relay (Transparent Forwarding) and Client functions
- Support PPPoE, PPPoA, MER and Bridged mode OAM F4/F5 End-to-End/Segment Loopback Cells

Bridging Features
- Supports self-learning bridge specifed in IEEE 802.1d
- Transparent Bridging
- Supports up to 256 learning MAC addresses
- Transparent Bridging among 10/100 Mb Ethernet
- Supports IGMP Snooping
- Supports 802.1Q VLAN packet pass-through

Security Features
- PAP (RFC1334), CHAP (RFC1994), and MS-CHAP/ MSCHAP2 for PPP session
- Firewall support IP packets fltering based on IP address/Port number/Protocol type
- Support DoS (Deny of Services) which detect & protect a number of attacks (such as SYN/FIN/RST Flood, Smurf, WinNuke, Echo Scan, Xmas Tree Scan, etc)

Confguration and Management
- User-friendly embedded web confguration interface with password protection in English or German
- Remote management access control
- Telnet session for local or remote management
- Firmware upgrades through HTTP, TFTP, or FTP
- Confguration fle backup and restore

Hardware

Interface
- One RJ-11 port for PSTN ISDN (C2-010-I) ADSL connection
- One RJ-45 port for IEEE 802.3/802.3u 10/100 Base-T auto-sensing and auto-crossover Ethernet connection

Regulatory Approvals and Compliance
- EMC: CE
- Safety: CB, LVD

Power Requirement and Operation Environment Requirement
- Power Adaptor: Input 230±5 V_{AC}; Output 9V_{AC}, 1.0A
- Power Consumption: max. 14.5 Watt
- Ambient Temperature: 0 to 40°C (32 to 96°F)
- Relative Humidity: 30% to 85% (non-condensing)

Physical
- Front Panel: 5 leds

Dimensions
- Housing: 140 mm (L) x 115 mm (W) x 30 mm (H)
- Weight: 225 g

Ordering Number

ADSL C2-010 (Annex A): S1621-Z133-A
(EAN Code: 40 255 15 22165 4)
ADSL C2-010-I (Annex B): S1621-Z132-A
(EAN Code: 40 255 15 22228 6)

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ADSL2+ Router CL-010 / CL-010-I

Broadband

Surf the internet, do emails and run multi-media at DSL Speed. On several computers all at the same time - save through the builtin frewall.
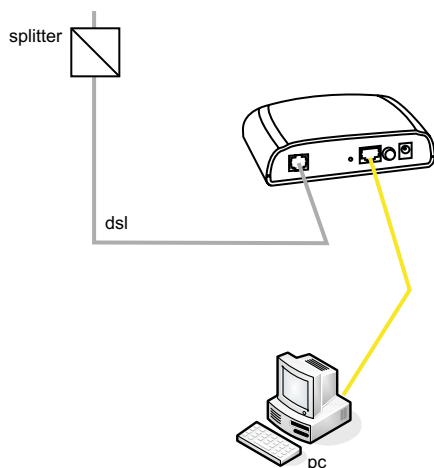
1 Ethernet port to connect the computer.

The   SIEMENS CL-010 Router integrates a ADSL2+ modem, router and frewall in one device. Data access is provided via Ethernet port.

Security is supported via a double Stateful Packet Inspection and NAT based frewall. VPN Pass   - through and DMZ support provides additional se - curity support for telecommuters as well as allow fexibility while maintaining security against mali   - cious hackers.

With Universal Plug and Play (UPnP) support, home networking becomes a breeze for everyone in the family. Multi Port Range/Popular Application Forwarding makes it even easier to select which application you want your network to allow while ensuring your security at the same time.

splitter

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SOFTWARE

ADSL Compliance
- ANSI T1.413 Issue 2
- ITU G.992.1 Annex A (G.dmt)
- ITU G.992.1 Annex B (G.dmt) with UR2 compliant
- ITU G.992.2 Annex A (G.lite)
- ITU G.994.1 (G.hs)
- Support dying gasp
- Maximum Rate: 8 Mbps for downstream and 1 Mbps
  for upstream

ADSL2 Compliance
- ITU G.992.3 Annex A and Annex B (G.dmt.bis)
- Maximum Rate: 12 Mbps for downstream and 1 Mbps
  for upstream
- ITU G.992.3 Annex L
- ITU G.992.3 Annex M

ADSL2+ Compliance
- ITU G.992.5 Annex A and Annex B
- Maximum Rate: 24 Mbps for downstream and 1.2 Mbps
  for upstream
- ITU G.992.5 Annex M

ATM Features
- Compliant to ATM Forum UNI 3.1 / 4.0 Permanent Virtual
  Circuits (PVCs)
- Support up to 8 PVCs for UBR, CBR, VBR-nrt, VBR-rt
  with traffc shaping
- RFC2684 LLC Encapsulation and VC Multiplexing over
  AAL5
- RFC2364 Point-to-Point Protocol (PPP) over AAL5
- RFC2225 Classical IP and ARP over ATM
- RFC2516 PPP over Ethernet: support Relay (Transparent
  Forwarding) and Client functions
- Support PPPoE, PPPoA, MER and Bridged mode
  OAM F4/F5 End-to-End/Segment Loopback Cells

Bridging Features
- Supports self-learning bridge specifed in IEEE 802.1d
- Transparent Bridging
    Supports up to 4096 learning MAC addresses
    Supports 802.1Q VLAN packet pass-through

Routing Features
- NAT (Network Address Translation) / PAT (Port Address
  Translation) let multiple users on the LAN to access the
  Internet for the cost of only one IP address.
- ALGs (Application Level Gateways): such as
  NetMeeting, MSN Messenger, FTP, Quick Time, mIRC,
  Real Player, CuSeeMe, VPN pass-through with multiple
  sessions, L2 TP & IPSec, RTSP, SIP, etc.
- Port Forwarding: the users can setup multiple virtual
  servers (e.g., Web, FTP, Mail servers) on user's local
  network.
- Support DMZ
- UPnP IGD (Internet Gateway Device)
- UPnP extension for NAT traversal capability
- Static routes, RFC1058 RIPv1, and RFC1723 RIPv2
- DNS Relay
- Dynamic DNS
- DHCP Client/Relay/Server
- Time protocol can be used to get current time from net
  work time server.
- Support IGMP Proxy
- Support IP/Bridge QoS for prioritize the transmission of
  different traffc classes
- Support 802.1Q VLAN Tagging

Security Features
- PAP (RFC1334), CHAP (RFC1994), and MS-CHAP/
  MSCHAP2 for PPP session
- Firewall support IP packets fltering based on IP
  address/Port number/Protocol type
- Support DoS (Deny of Services) which detect & protect a
  number of attacks (such as SYN/FIN/RST Flood, Smurf,
- WinNuke, Echo Scan, Xmas Tree Scan, etc)

Confguration and Management
- User-friendly embedded web confguration interface with
  password protection in English or German
- Remote management access control
- Telnet session for local or remote management
- Firmware upgrades through HTTP, TFTP, or FTP
- Confguration fle backup and restore
- Support TR-069

Hardware

Interface
- One RJ-11 port for PSTN ADSL connection
- Four RJ-45 ports for IEEE 802.3/802.3u 10/100 Base-T
  auto-sensing and auto-crossover Ethernet connection
- One hidden button for restoration of factory default
  settings
- Regulatory Approvals and Compliance
  EMC: FCC part 15 Class B, CE
  Telecom: FCC part 68
  Safety: UL, CB, LVD

*Power Requirement and Operation Environment
Requirement*
- Power Adaptor: Input 120±10 or 230±10 VAC;
  Output 9VAC, 1.0A
- Power Consumption: less than 10 Watt
- Ambient Temperature: 0 to 40°C (32 to 96°F)
- Relative Humidity: 20% to 90% (non-condensing)

Physical
- Front Panel: 4 leds

Dimensions
- Housing: 125 mm (L) x 90 mm (W) x 32 mm (H)
- Weight: 155 g

Ordering Number

ADSL CL-010 (Annex A): S1621-Z137-A
(EAN Code: 40 255 15 22169 2)
ADSL CL-010-I (Annex B): S1621-Z136-A
(EAN Code: 40 255 15 22168 5)

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www.sis-group.com

ADSL2+ Router CL-040 / CL-040-I

Surf the internet, do emails and run multi-media at DSL Speed. On several computers all at the same time - save through the builtin frewall.
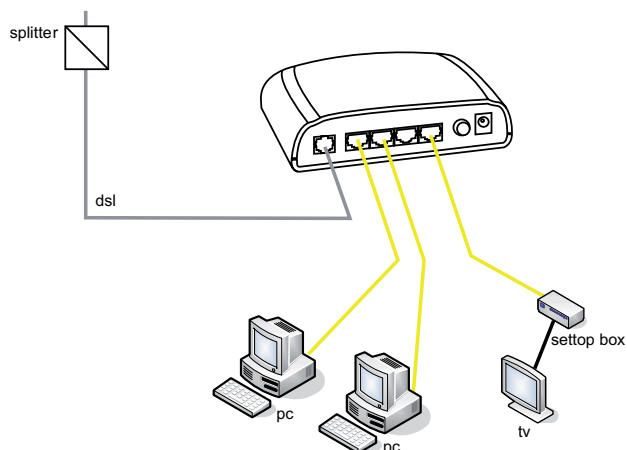
4 Ethernet ports for comfortable home networking.

The SIEMENS CL-040 Router integrates a ADSL2+ modem, router, firewall and 4 Port Ether-net Switch in one device. Data access is provided via Ethernet port.

Security is supported via a double Stateful Packet Inspection and NAT based frewall. VPN Pass-through and DMZ support provides additional se-curity support for telecommuters as well as allow fexibility while maintaining security against mali-cious hackers.

With Universal Plug and Play (UPnP) support, home networking becomes a breeze for everyone in the family. Multi Port Range/Popular Application Forwarding makes it even easier to select which application you want your network to allow while ensuring your security at the same time.

splitter

dsl

pc

pc

tv

settop box

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SOFTWARE

ADSL Compliance
- ANSI T1.413 Issue 2
- ITU G.992.1 Annex A (G.dmt)
- ITU G.992.1 Annex B (G.dmt) with UR2 compliant
- ITU G.992.2 Annex A (G.lite)
- ITU G.994.1 (G.hs)
- Support dying gasp
- Maximum Rate: 8 Mbps for downstream and 1 Mbps
  for upstream

ADSL2 Compliance
- ITU G.992.3 Annex A and Annex B (G.dmt.bis)
- Support dying gasp
- Maximum Rate: 12 Mbps for downstream and 1 Mbps
  for upstream
- ITU G.992.3 Annex L
- ITU G.992.3 Annex M

ADSL2+ Compliance
- ITU G.992.5 Annex A and Annex B
- Support dying gasp
- Maximum Rate: 24 Mbps for downstream and 1.2 Mbps
  for upstream
- ITU G.992.5 Annex M

ATM Features
- Compliant to ATM Forum UNI 3.1 / 4.0 Permanent Virtual
  Circuits (PVCs)
- Support up to 8 PVCs for UBR, CBR, VBR-nrt, VBR-rt
  with traffc shaping
- RFC2684 LLC Encapsulation and VC Multiplexing over
  AAL5
- RFC2364 Point-to-Point Protocol (PPP) over AAL5
- RFC2225 Classical IP and ARP over ATM
- RFC2516 PPP over Ethernet: support Relay (Transparent
  Forwarding) and Client functions
- Support PPPoE, PPPoA, MER and Bridged mode
  OAM F4/F5 End-to-End/Segment Loopback Cells

Bridging Features
- Supports self-learning bridge specifed in IEEE 802.1d
- Transparent Bridging
    Supports up to 4096 learning MAC addresses
- Transparent Bridging among 10/100 Mb Ethernet
- Supports IGMP Snooping
- Supports 802.1Q VLAN packet pass-through

Routing Features
- NAT (Network Address Translation) / PAT (Port Address
  Translation) let multiple users on the LAN to access the
  Internet for the cost of only one IP address.
- ALGs (Application Level Gateways): such as
  NetMeeting, MSN Messenger, FTP, Quick Time, mIRC,
  Real Player, CuSeeMe, VPN pass-through with multiple
  sessions, L2 TP & IPSec, RTSP, SIP, etc.
- Port Forwarding: the users can setup multiple virtual
  servers (e.g., Web, FTP, Mail servers) on user's local
  network.
- Support DMZ
- UPnP IGD (Internet Gateway Device)
- UPnP extension for NAT traversal capability
- Static routes, RFC1058 RIPv1, and RFC1723 RIPv2
- DNS Relay
- Dynamic DNS
- DHCP Client/Relay/Server
- Time protocol can be used to get current time from net
  work time server.
- Support IGMP Proxy
- Support IP/Bridge QoS for prioritize the transmission of
  different traffc classes
- Support port mapping function which allows you to as
  sign all data traffc transmitted among specifc Internet
  connections and LAN ports
- Support 802.1Q VLAN Tagging

Security Features
- PAP (RFC1334), CHAP (RFC1994), and MS-CHAP/
  MSCHAP2 for PPP session
- Firewall support IP packets fltering based on IP
  address/Port number/Protocol type
- Support DoS (Deny of Services) which detect & protect a
  number of attacks (such as SYN/FIN/RST Flood, Smurf,
  WinNuke, Echo Scan, Xmas Tree Scan, etc)

Confguration and Management
- User-friendly embedded web confguration interface with
  password protection in English or German
- Remote management access control
- Telnet session for local or remote management
- Firmware upgrades through HTTP, TFTP, or FTP
- Confguration fle backup and restore
- Support TR-069

Hardware

Interface
- One RJ-11 port for ADSL connection
- Four RJ-45 ports for IEEE 802.3/802.3u 10/100 Base-T
  auto-sensing and auto-crossover Ethernet connection
- One power On/Off button
- One hidden button for restoration of factory default
  settings

Regulatory Approvals and Compliance
- EMC: FCC part 15 Class B, CE
- Telecom: FCC part 68
- Safety: UL, CB, LVD

*Power Requirement and Operation Environment
Requirement*
- Power Adaptor: Input 120±10 or 230±10 VAC;
  Output 12VAC, 1.0A
- Power Consumption: less than 15 Watt
- Ambient Temperature: 0 to 40°C (32 to 96°F)
- Relative Humidity: 20% to 90% (non-condensing)

Physical
- Front Panel: 7 leds

Dimensions
- Housing: 160 mm (L) x 130 mm (W) x 38 mm (H)
- Weight: 260 g

Ordering Number

ADSL CL-040 (Annex A): S1621-Z139-A
(EAN Code: 40 255 15 22171 5)
ADSL CL-040-I (Annex B): S1621-Z138-A
(EAN Code: 40 255 15 22170 8)

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ADSL2+ Router CL-110 / CL-110-I

Broadband

Surf the internet, do emails and run multi-media at DSL Speed. On several computers all at the same time - save through the builtin frewall.
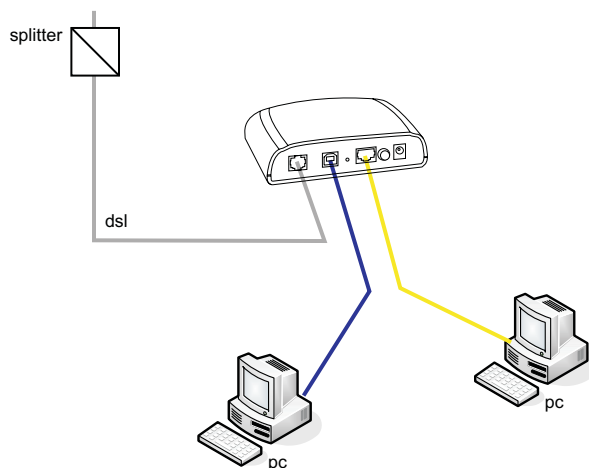
1 Ethernet port to connect the computer.

USB slave port to connect an additional computer to the home network.

The SIEMENS CL-110 Router integrates a ADSL2+ modem, router and frewall in one device. Data access is provided via Ethernet or USB port.

Security is supported via a double Stateful Packet Inspection and NAT based frewall. VPN Pass - through and DMZ support provides additional se - curity support for telecommuters as well as allow fexibility while maintaining security against mali - cious hackers.

With Universal Plug and Play (UPnP) support, home networking becomes a breeze for everyone in the family. Multi Port Range/Popular Application Forwarding makes it even easier to select which application you want your network to allow while ensuring your security at the same time.

splitter

dsl

pc

pc

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technologies

SOFTWARE

ADSL Compliance
- ANSI T1.413 Issue 2
- ITU G.992.1 Annex A (G.dmt)
- ITU G.992.1 Annex B (G.dmt) with UR2 compliant
- ITU G.992.2 Annex A (G.lite)
- ITU G.994.1 (G.hs)
- Support dying gasp
- Maximum Rate: 8 Mbps for downstream and 1 Mbps
  for upstream

ADSL2 Compliance
- ITU G.992.3 Annex A and Annex B (G.dmt.bis)
- Maximum Rate: 12 Mbps for downstream and 1 Mbps
  for upstream
- ITU G.992.3 Annex L
- ITU G.992.3 Annex M

ADSL2+ Compliance
- ITU G.992.5 Annex A and Annex B
- Maximum Rate: 24 Mbps for downstream and 1.2 Mbps
  for upstream
- ITU G.992.5 Annex M

ATM Features
- Compliant to ATM Forum UNI 3.1 / 4.0 Permanent Virtual
  Circuits (PVCs)
- Support up to 8 PVCs for UBR, CBR, VBR-nrt, VBR-rt
  with traffc shaping
- RFC2684 LLC Encapsulation and VC Multiplexing over
  AAL5
- RFC2364 Point-to-Point Protocol (PPP) over AAL5
- RFC2225 Classical IP and ARP over ATM
- RFC2516 PPP over Ethernet: support Relay (Transparent
  Forwarding) and Client functions
- Support PPPoE, PPPoA, MER and Bridged mode
  OAM F4/F5 End-to-End/Segment Loopback Cells

Bridging Features
- Supports self-learning bridge specifed in IEEE 802.1d
- Transparent Bridging
    Supports up to 4096 learning MAC addresses
- Transparent Bridging among 10/100 Mb Ethernet
  and USB
- Supports IGMP Snooping
- Supports 802.1Q VLAN packet pass-through

Routing Features
- NAT (Network Address Translation) / PAT (Port Address
  Translation) let multiple users on the LAN to access the
  Internet for the cost of only one IP address.
- ALGs (Application Level Gateways): such as
  NetMeeting, MSN Messenger, FTP, Quick Time, mIRC,
  Real Player, CuSeeMe, VPN pass-through with multiple
  sessions, L2 TP & IPSec, RTSP, SIP, etc.
- Port Forwarding: the users can setup multiple virtual
  servers (e.g., Web, FTP, Mail servers) on user's local
  network.
- Support DMZ
- UPnP IGD (Internet Gateway Device)
- UPnP extension for NAT traversal capability
- Static routes, RFC1058 RIPv1, and RFC1723 RIPv2
- DNS Relay
- Dynamic DNS
- DHCP Client/Relay/Server
- Time protocol can be used to get current time from net
  work time server
- Support IGMP Proxy
- Support IP/Bridge QoS for prioritize the transmission of
  different traffc classes
- Support 802.1Q VLAN Tagging

Security Features
- PAP (RFC1334), CHAP (RFC1994), and MS-CHAP/
  MSCHAP2 for PPP session
- Firewall support IP packets fltering based on IP
  address/Port number/Protocol type
- Support DoS (Deny of Services) which detect & protect a
  number of attacks (such as SYN/FIN/RST Flood, Smurf,
  WinNuke, Echo Scan, Xmas Tree Scan, etc)

Confguration and Management
- User-friendly embedded web confguration interface with
  password protection in English or German
- Remote management access control
- Telnet session for local or remote management
- Firmware upgrades through HTTP, TFTP, or FTP
- Confguration fle backup and restore
- Support TR-069

Hardware

Interface
- One RJ-11 port for ADSL connection
- One RJ-45 port for IEEE 802.3/802.3u 10/100 Base-T
  auto-sensing and auto-crossover Ethernet connection
- One USB client port compliant to USB 1.1
- One hidden button for restoration of factory default
  settings

Regulatory Approvals and Compliance
- EMC: FCC part 15 Class B, CE
- Telecom: FCC part 68
- Safety: UL, CB, LVD

*Power Requirement and Operation Environment
Requirement*
- Power Adaptor: Input 230±10 VAC; Output 9VAC, 1.0A
- Power Consumption: less than 10 Watt
- Ambient Temperature: 0 to 40°C (32 to 96°F)
- Relative Humidity: 20% to 90% (non-condensing)

Physical
- Front Panel: 5 leds

Dimensions
- Housing: 125 mm (L) x 90 mm (W) x 35 mm (H)
- Weight: 155 g

Ordering Number

ADSL CL-110 (Annex A): S1621-Z131-A
(EAN Code: 40 255 15 22163 0)
ADSL CL-110-I (Annex B): S1621-Z130-A
(EAN Code: 40 255 15 22162 3)

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www.sis-group.com

ADSL IAD SLI-5460 / SLI-5460-I

Broadband

Surf the internet, do emails and run multi-media at DSL Speed. On several computers all at the same time - save through the builtin frewall.

4 switched Fast Ethernet ports for comfortable home networking.

Modern WLAN standard guarantees secure wireless internet and networking access.

Cost-effective voice calls over the Internet (VoIP) or Landline (fxed network) at high voice quality. Reuse of existing analogue phones. Emergency calls through Landline.

The IAD SLI-5460 is a ADSL Broadband Access Gateway especially designed for Triple Play Operation: High Speed Internet, IPTV, Video on Demand and VoIP-Telephony over one single broadband connection.

Extensive Quality of Service mechanisms help to assure a high Service Quality for VoIP and IPTV. The SLI-5460 integrates a ADSL2+ modem, router, frewall, Wireless b/g AccessPoint, 4 Port Ethernet Switch and 2 VoIP Ports in one device.

Existing analogue phones and fax devices can be connected to the IAD SLI-5460. Calls can either be made via Internet (VoIP) or alternatively via the Landline.

This IAD is very easy to install / confgure and combine the established Internet service with the new services IP-TV and Voice over IP in one single device.

splitter

dsl

fxo

fax   or   phone   phone   settop box

pc   tv   WLAN notebook
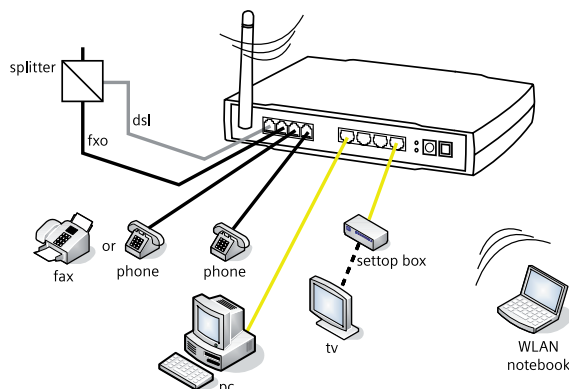
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Physical Characteristics

Interfaces
- 1 ADSL Port (RJ-11, grey)
- 4 Switched Fast Ethernet Ports (RJ-45, yellow, 10/100Mbps, MDI/MDIX Auto-Sensing)
- WLAN according to IEEE 802.11b/g
- 1 POTS Landline Port (RJ-11, grey, FXO)
- 2 POTS Ports FXS (RJ-11, grey)
- Reset Button to reset or to restore the factory default settings

LED Indicators
- 12 LEDs: Power, DSL, Internet, LAN1-4, WLAN, Phone 1-2, VoIP (Ready), Line (FXO)

CPU-Platform
- Connexant Solos-WV
- 4 MB Flash, 32 MB RAM

Power Consumption
- 12 VDC / max. 1.2 A

ADSL Compliance
- Support of Dying Gasp

ADSL
- ANSI T1.413 Issue 2,
  ITU G.992.1 Annex A/B (G.dmt),
  ITU G.992.2 Annex A/B (G.lite),
  ITU G.994.1 (G.hs)

ADSL2
- ITU G.992.3 Annex A/B (G.dmt.bis), Annex M

ADSL2+
- ITU G.992.5 Annex A/B/M

Networking

ATM Features
- Compliant to ATM Forum UNI 3.1/4.0 Permanent Virtual Circuits (PVC)
- Support of up to 8 PVCs for UBR, CBR, VBR-nrt, VBR-rt with Traffc Shaping
- Multi Protocol Encapsulation over ATM Adaptation Layer 5 (AAL5) (RFC 2684)
- Point-to-Point (PPP) over AAL5 (RFC 2364)
- PPP over Ethernet (PPPoE): Supporting Relay and Client (RFC 2516)
- Support of OAM F4 / F5 End-to-End / Segment Loopback Cells

Bridging
- Support of IEEE 802.1d: Transparent Bridging among 10/100 Mb Ethernet and 802.11b/g WLAN
- Support of dynamic learning of MAC addresses
- IP Multicast, IGMP Snooping
- Support of 802.1q VLAN packet pass-through

Routing
- Static Route, Dynamic Route (RFC 1058 RIPv1 and RFC 1723 RIPv2)
- DHCP Server, DHCP Client, DHCP Relay
- NAT/PAT to allow multiple users on the LAN to access the Internet for the cost of only one IP address
- ALGs (Application Level Gateways) : such as VPN (IPsec/L2TP/PPTP) pass through with multiple sessions, FTP (PORT- and PASV-Mode), Xbox Live, Window Messanger, MSN Messenger, Quick Time, mIRC, Real Player, CuSeeMe, ICQ, NetMeeting
- Port Forwarding to allow to setup multiple virtual servers (e.g. Web, FTP) on user's local network
- Dynamic DNS and DNS Relay
- IGMP Proxy
- DMZ
- UPnP 1.0 with NAT Traversal capability
- IEEE 802.1q VLAN Tagging

Wireless LAN

- IEEE 802.11b: 1, 2, 5.5 and 11 Mbps
- IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps
- Operating Frequency: 2.4 ~ 2.5 GHz
- Operating Channels: Depending on local regulations (USA (FCC)/11, Europe (ETSI)/13)
- Antenna Type: Built-in Diversity Antenna and external Dipole Antenna
- Wi-Fi Protected Setup (WPS) for easy setup
- Security: SSID hiding; WPA/WPA2/WEP-64/WEP-128
- Further Features: Support of Repeater function (WDS)

Security / Firewall

- Stateful Packet Inspection (SPI) Firewall, NAT, MAC Filter
- PAP (RFC 1334) / CHAP (RFC 1994)
- IP Packets Filtering based on IP Address / Port Number / Protocol Type
- Inbound/outbound IP Filter and DoS Attack

Voice over IP Features

- Call Control Protocol: SIP client (RFC 3261)
- Support of multiple SIP Accounts
- Voice Transport: compliant to RTP (RFC 1889/3550)
- Tone/Ring Signal: compliant to North America, UK, France, Netherlands, Germany, etc.
- Tone Generation: support dial tone, ring back tone, busy tone, ring tone, and various tones on demand
- Tone Detection: support DTMF
- RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals (RFC 2833)
- Echo Cancellation according to G.168; Voice Activity Detection (VAD); Comfort Noise Generation (CNG)
- Real time Fax over IP according to ITU-T T.38 and G.711 basic fax pass-through (RFC3362)
- Supported Codecs: G.711a-/u-law, G.729a
- Traffc fow control to guarantee voice quality
- POTS Landline (in case of power failure or DSL failure)
- Manual selection of Landline or VoIP Mode for phone calls

Call Features
- Basic outgoing/incoming call, Caller ID (CLIP), CLIR , Call Hold, Call Waiting, Call Forwarding, 3-Party-Conference, Dialing Rules, Call Log List

Confguration/Management

- User-friendly web confguration interface; password protected access with 2 login levels (admin/user); multiple Language Support (4 languages)
- Installation Wizard
- Telnet Session for Local or Remote Management
- Firmware upgrades through HTTP
- Confguration File Backup and Restore
- Support of TR-069 and TR-104

Certifcates & Environment

EMC
- Emission: EN 55022, Class B
- Immunity: EN 55024
- Wireless LAN: EN 301 489-17 and EN 300 328

Resistibility
- ITU-T K.21

Safety
- EN60950-1

Environmental Conditions
- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 70°C
- Transportation Temperature: -40 to 70°C
- Relative Humidity: 20% to 90% (non-condensing)

Compliances
- RoHS: 2002/95EG
- CE Marking

Dimensions / Weight

Net
- 210 x 148 x 36 mm / 0.62 kg

Gross
- 293 x 229 x 80 mm / 1.08 kg

Ordering Number

SLI-5460 (Annex A):   S1622-H39-S
(EAN: 7640141370537)
SLI-5460-I (Annex B): S1622-H38-S
(EAN: 7640141370520)

08-20090805

ADSL IAD SLI-5470 / SLI-5470-I

Broadband

Surf the internet, do emails and run multi-media at DSL Speed. On several computers all at the same time - save through the builtin frewall.

4 switched Fast Ethernet ports for comfortable home networking.

The USB 2.0 High Speed Host Interface allows for connection of a 3G / HSDPA modem for WAN backup. By 3Q/09 Print and File Server Functionality will also be supported.

Modern WLAN standard garantees secure wireless internet and networking access.
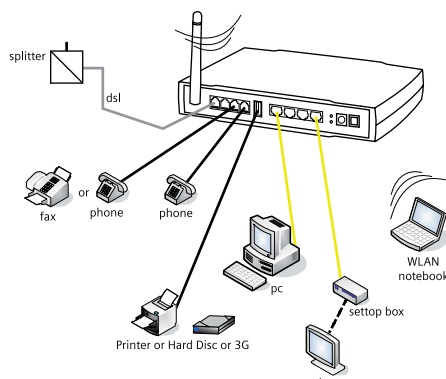
Cost-effective voice calls over the Internet (VoIP) at high voice quality. Reuse of existing analogue phones.

The IAD SLI-5470 is a ADSL Broadband Access Gateway especially designed for Triple Play Operation: High Speed Internet, IPTV, Video on Demand and VoIP-Telephony over one single broadband connection.

Extensive Quality of Service mechanisms help to assure a high Service Quality for VoIP and IPTV. The SLI-5470 integrates a ADSL2+ modem, router, frewall, Wireless b/g AccessPoint, 4 Port Ethernet Switch, USB-Host Port and 2 VoIP Ports in one device.

Existing analogue phones and fax devices can be connected to the IAD SLI-5470.

This IAD is very easy to install / confgure and combine the established Internet service with the new services IP-TV and Voice over IP in one single device.

splitter

dsl

fax   or   phone   phone

pc

WLAN notebook

settop box

Printer or Hard Disc or 3G

tv

albis
technologies

Physical Characteristics

Interfaces
- 1 ADSL Port (RJ-11, grey)
- 4 Switched Fast Ethernet Ports (RJ-45, yellow,
  10/100Mbps, MDI/MDIX Auto-Sensing)
- WLAN according to IEEE 802.11b/g
- 2 POTS Ports FXS (RJ-11, grey)
- 1 USB 2.0 Host Port
- Reset Button to reset or to restore the factory
  default settings
LED Indicators
- 12 LEDs: Power, DSL, Internet, LAN1-4,
  WLAN, Phone 1-2, VoIP (Ready), spare
CPU-Platform
- Connexant Solos-WV
- 4 MB Flash, 32 MB RAM
Power Consumption
- 15 VDC / max. 1,6 A

ADSL Compliance
- Support of Dying Gasp
ADSL
- ANSI T1.413 Issue 2,
  ITU G.992.1 Annex A/B (G.dmt),
  ITU G.992.2 Annex A/B (G.lite),
  ITU G.994.1 (G.hs)
ADSL2
- ITU G.992.3 Annex A/B (G.dmt.bis), Annex M
ADSL2+
- ITU G.992.5 Annex A/B/M

Networking

ATM Features
- Compliant to ATM Forum UNI 3.1/4.0 Permanent
  Virtual Circuits (PVC)
- Support of up to 8 PVCs for UBR, CBR, VBR-nrt,
  VBR-rt with Traffc Shaping
- Multi Protocol Encapsulation over ATM Adaptation
  Layer 5 (AAL5) (RFC 2684)
- Point-to-Point (PPP) over AAL5 (RFC 2364)
- PPP over Ethernet (PPPoE): Supporting Relay and
  Client (RFC 2516)
- Support of OAM F4 / F5 End-to-End / Segment
  Loopback Cells
Bridging
- Support of IEEE 802.1d: Transparent Bridging
  among 10/100 Mb Ethernet and 802.11b/g WLAN
- Support of dynamic learning of MAC addresses
- IP Multicast, IGMP Snooping
- Support of 802.1q VLAN packet pass-through
Routing
- Static Route, Dynamic Route (RFC 1058 RIPv1 and
  RFC 1723 RIPv2)
- DHCP Server, DHCP Client, DHCP Relay
- NAT/PAT to allow multiple users on the LAN to
  access the Internet for the cost of only one IP address
- ALGs (Application Level Gateways) : such as VPN
  (IPsec/L2TP/PPTP) pass through with multiple sessions,
  FTP (PORT- and PASV-Mode), Xbox Live,
  Window Messanger, MSN Messenger, Quick Time,
  mIRC, Real Player, CuSeeMe, ICQ, NetMeeting
- Port Forwarding to allow to setup multiple virtual servers
  (e.g. Web, FTP) on user's local network
- Dynamic DNS and DNS Relay
- IGMP Proxy
- DMZ
- UPnP 1.0 with NAT Traversal capability
- IEEE 802.1q VLAN Tagging

Wireless LAN

- IEEE 802.11b: 1, 2, 5.5 and 11 Mbps
- IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps
- Operating Frequency: 2.4 ~ 2.5 GHz
- Operating Channels: Depending on local regulations
  (USA (FCC))/11, Europe (ETSI)/13)
- Antenna Type: Built-in Diversity Antenna and external
  Dipole Antenna
- Wi-Fi Protected Setup (WPS) for easy setup
- Security: SSID hiding; WPA/WPA2/WEP-64/WEP-128
- Further Features: Support of Repeater function (WDS)

USB

- USB 2.0 High Speed Host
- Print Server via IPP
- File Server

Security / Firewall

- Stateful Packet Inspection (SPI) Firewall, NAT, MAC Filter
- PAP (RFC 1334) / CHAP (RFC 1994)
- IP Packets Filtering based on IP Address / Port Number /
  Protocol Type
- Inbound/outbound IP Filter and DoS Attack

Voice over IP Features

- Call Control Protocol: SIP client (RFC 3261)
- Support of multiple SIP Accounts
- Voice Transport: compliant to RTP (RFC 1889/3550)
- Tone/Ring Signal: compliant to North America, UK,
  France, Netherlands, Germany, etc.
- Tone Generation: support dial tone, ring back tone, busy
  tone, ring tone, and various tones on demand
- Tone Detection: support DTMF
- RTP Payload for DTMF Digits, Telephony Tones and
  Telephony Signals (RFC 2833)
- Echo Cancellation according to G.168; Voice Activity
  Detection (VAD); Comfort Noise Generation (CNG)
- Real time Fax over IP according to ITU-T T.38 and
  G.711 basic fax pass-through (RFC3362)
- Supported Codecs: G.711a-/u-law, G.729a
- Traffc fow control to guarantee voice quality
Call Features
- Basic outgoing/incoming call, Caller ID (CLIP), CLIR,
  Call Hold, Call Waiting, Call Forwarding,
  3-Party-Conference, Dialing Rules, Call Log List

Confguration/Management

- User-friendly web confguration interface; password
  protected access with 2 login levels (admin, user)
  multiple Language Support (4 languages)
- Installation Wizard
- Telnet Session for Local or Remote Management
- Firmware upgrades through HTTP
- Confguration File Backup and Restore
- Support of TR-069 and TR-104

Certifcates & Environment

EMC
- Emission: EN 55022, Class B
- Immunity: EN 55024
- Wireless LAN: EN 301 489-17 and EN 300 328
Resistibility
- ITU-T K.21
Safety
- EN60950-1
Environmental Conditions
- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 70°C
- Transportation Temperature: -40 to 70°C
- Relative Humidity: 20% to 90% (non-condensing)
Compliances
- RoHS: 2002/95EG
- CE Marking

Dimensions / Weight

Net
- 230 x 155 x 37 mm / 0.62 kg
Gross
- 293 x 229 x 80 mm / 1.08 kg

Ordering Number

SLI-5470 (Annex A):   S1622-H41-S
(EAN: 7640141370551)
SLI-5470-I (Annex B): S1622-H40-S
(EAN: 7640141370544)

SIS

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www.sis-group.com

06-20090805

ADSL WLAN 11b/g Router
SLR-4360 / SLR-4360-I

Broadband

Surf the internet, do emails and run multi media at DSL Speed. On several computers all at the same time - save through the builtin frewall.

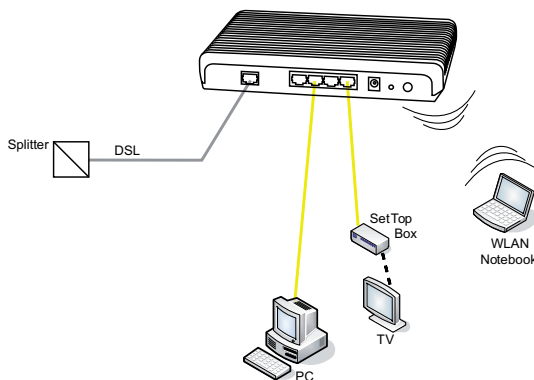4 switched Fast Ethernet ports for comfor-table home networking.

Modern WLAN standard garantees secure wireless internet and networking access.

The Router SLR-4360 is a ADSL Broadband Access Gateway especially designed for High Speed Internet, IPTV and Video on Demand over one single broadband connection.

Extensive Quality of Service mechanisms help to assure a high Service Quality for IPTV. The SLR-4360 integrates an ADSL2+ modem, router, frewall, Wireless b/g AccessPoint and 4 Port Ethernet Switch in one device.

This Router is very easy to install/confgure and combines the established Internet service with the new service IP-TV in one single device.

Splitter

DSL

Set Top Box

WLAN Notebook

TV

PC

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Physical Characteristics

Interfaces
- 1 ADSL Port (RJ-11, grey)
- 4 Switched Fast Ethernet Ports (RJ-45, yellow, 10/100Mbps, MDI/MDIX Auto-Sensing)
- WLAN according to IEEE 802.11b/g
- Reset Button to reset or to restore the factory default settings
- WLAN/WPS on/off button
- Power on/off button

LED Indicators
- 10 LEDs: Power, Internet, 1 Spare, WLAN, ADSL, LAN1-4, 1 spare

CPU-Platform
- Broadcom BCM6338
- 4 MB Flash, 16 MB RAM

Power Consumption
- 15 VDC / max. 0.5 A

ADSL Compliance

ADSL
- ANSI T1.413 Issue 2,
  ITU G.992.1 Annex A/B (G.dmt),
  ITU G.992.2 Annex A/B (G.lite),
  ITU G.994.1 (G.hs)

ADSL2
- ITU G.992.3 Annex A/B (G.dmt.bis), Annex M

ADSL2+
- ITU G.992.5 Annex A/B

Networking

ATM Features
- Compliant to ATM Forum UNI 3.1/4.0 Permanent Virtual Circuits (PVC)
- Support of up to 8 PVCs for UBR, CBR, VBR-nrt, VBR-rt with Traffc Shaping
- Multi Protocol Encapsulation over ATM Adaptation Layer 5 (AAL5) (RFC 2684)
- Point-to-Point (PPP) over AAL5 (RFC 2364) Classical IP and ARP over ATM (RFC 2225)
- PPP over Ethernet (PPPoE): Supporting Relay and Client (RFC 2516)
- Support of OAM F4 / F5 End-to-End / Segment Loopback Cells

Bridging
- Support of IEEE 802.1d: Transparent Bridging among 10/100 MB Ethernet and 802.11b/g WLAN
- Support of dynamic learning of up to 512 MAC addresses
- IP Multicast, IGMP Snooping
- Support of 802.1q VLAN packet pass-through

Routing
- Static Route, Dynamic Route (RFC 1058 RIPv1 and RFC 1723 RIPv2)
- DHCP Server, DHCP Client, DHCP Relay
- NAT/PAT to allow multiple users on the LAN to access the Internet for the cost of only one IP address
- ALGs (Application Level Gateways) : such as NetMeeting, FTP, mIRC, Real Player, CuSeeMe, VPN (IPSec) pass-through with multiple sessions
- Port Forwarding to allow to setup multiple virtual servers (e.g. Web, FTP) on user's local network
- Dynamic DNS and DNS Relay
- IGMP Proxy
- DMZ
- UPnP 1.0 with NAT Traversal capability
- IEEE 802.1q VLAN Tagging

Wireless LAN
- IEEE 802.11b: 1, 2, 5.5 and 11 Mbps
- IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps
- Operating Frequency: 2.4 ~ 2.5 GHz
- Operating Channels: Depending on local regulations (USA (FCC)/11, Europe (ETSI)/13)
- Antenna Type: Built-in Diversity Antenna
- Wi-Fi Protected Setup (WPS) for easy setup
- Security: SSID hiding; WPA/WPA2/WEP-64/WEP-128
- Further Features: Support of Repeater function (WDS)

Security / Firewall
- Stateful Packet Inspection (SPI) Firewall, NAT, MAC Filter
- PAP (RFC 1334) / CHAP (RFC 1994) / MSCHAP
- IP Packets Filtering based on IP Address / Port Number / Protocol Type
- Inbound/outbound IP Filter and DoS Attack

Confguration/Management
- User-friendly web confguration interface; password protected access with 2 login levels (user, admin)
- Installation Wizard
- Telnet Session for Local or Remote Management
- Firmware upgrades through HTTP
- Confguration File Backup and Restore
- Support of TR-069

Certifcates & Environment

EMC
- Emission: EN 55022, Class B
- Immunity: EN 55024
- Wireless LAN: EN 301 489-17 and EN 300 328

Resistibility
- ITU-T K.21

Safety
- EN60950-1

Environmental Conditions
- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 70°C
- Transportation Temperature: -40 to 70°C
- Relative Humidity: 20% to 90% (non-condensing)

Compliances
- RoHS: 2002/95EG
- CE Marking

Dimensions / Weight

Net
- 185 x 128 x 32 mm / 0.35 kg

Gross
- t.b.d.

Ordering Number
SLR-4360 (Annex A):   S1621-H147-S
(EAN: 7640141370476)
SLR-4360-I (Annex B): S1621-H148-S
(EAN: 7640141370469)

SIS

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www.sis-group.com

ADSL WLAN 11b/g Router with USB-Host
SLR-4370 / SLR-4370-I

Broadband

Surf the internet, do emails and run multi media at DSL Speed. On several computers all at the same time - save through the builtin frewall.

4 switched Fast Ethernet ports for comfortable home networking.

The USB 2.0 High Speed Host Interface allows for connection of a (Network-) Printer or an external Hard Disc Drive to a local network.
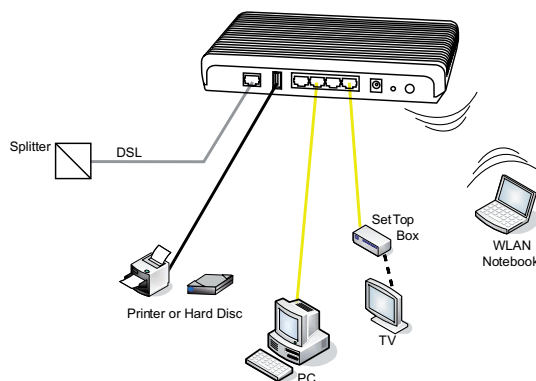
Modern WLAN standard garantees secure wireless internet and networking access.

The Router SLR-4370 is a ADSL Broadband Access Gateway especially designed for High Speed Internet, IPTV and Video on Demand over one single broadband connection.

Extensive Quality of Service mechanisms help to assure a high Service Quality for IPTV. The SLR-4370 integrates a ADSL2+ modem, router, frewall, Wireless b/g AccessPoint, 4 Port Ethernet Switch and USB-Host in one device.

This Router is very easy to install/confgure and combines the established Internet service with the new service IP-TV in one single device.

Splitter DSL

Set Top Box

WLAN Notebook

Printer or Hard Disc

TV

PC

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technologies

Physical Characteristics

Interfaces
- 1 ADSL Port (RJ-45, grey)
- 1 USB 2.0 High Speed Host Port; feeding 500 mA
- 4 Switched Fast Ethernet Ports (RJ-45, yellow, 10/100Mbps, MDI/MDIX Auto-Sensing)
- WLAN according to IEEE 802.11b/g
- Reset Button to reset or to restore the factory default settings
- WLAN/WPS on/off button
- Power on/off button

LED Indicators
- 10 LEDs: Power, Internet, USB, WLAN, ADSL, LAN1-4, 1 spare

CPU-Platform
- Broadcom BCM6358
- 8 MB Flash, 32 MB RAM

Power Consumption
- 15 VDC / max. 0.8 A

ADSL Compliance

ADSL
- ANSI T1.413 Issue 2,
  ITU G.992.1 Annex A/B (G.dmt),
  ITU G.992.2 Annex A/B (G.lite),
  ITU G.994.1 (G.hs)

ADSL2
- ITU G.992.3 Annex A/B (G.dmt.bis), Annex M

ADSL2+
- ITU G.992.5 Annex A/B

Networking

ATM Features
- Compliant to ATM Forum UNI 3.1/4.0 Permanent Virtual Circuits (PVC)
- Support of up to 8 PVCs for UBR, CBR, VBR-nrt, VBR-rt with Traffc Shaping
- Multi Protocol Encapsulation over ATM Adaptation Layer 5 (AAL5) (RFC 2684)
- Point-to-Point (PPP) over AAL5 (RFC 2364) Classical IP and ARP over ATM (RFC 2225)
- PPP over Ethernet (PPPoE): Supporting Relay and Client (RFC 2516)
- Support of OAM F4 / F5 End-to-End / Segment Loopback Cells

Bridging
- Support of IEEE 802.1d: Transparent Bridging among 10/100 MB Ethernet and 802.11b/g WLAN
- Support of dynamic learning of up to 512 MAC addresses
- IP Multicast, IGMP Snooping
- Support of 802.1q VLAN packet pass-through

Routing
- Static Route, Dynamic Route (RFC 1058 RIPv1 and RFC 1723 RIPv2)
- DHCP Server, DHCP Client, DHCP Relay
- NAT/PAT to allow multiple users on the LAN to access the Internet for the cost of only one IP address
- ALGs (Application Level Gateways) : such as NetMeeting, FTP, mIRC, Real Player, CuSeeMe, VPN (IPSec) pass-through with multiple sessions
- Port Forwarding to allow to setup multiple virtual servers (e.g. Web, FTP) on user's local network
- Dynamic DNS and DNS Relay
- IGMP Proxy
- DMZ
- UPnP 1.0 with NAT Traversal capability
- IEEE 802.1q VLAN Tagging

Wireless LAN
- IEEE 802.11b: 1, 2, 5.5 and 11 Mbps
- IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps
- Operating Frequency: 2.4 ~ 2.5 GHz
- Operating Channels: Depending on local regulations (USA (FCC)/11, Europe (ETSI)/13)
- Antenna Type: Built-in Diversity Antenna
- Wi-Fi Protected Setup (WPS) for easy setup
- Security: SSID hiding; WPA/WPA2/WEP-64/WEP-128
- Further Features: Support of Repeater function (WDS)

USB
- USB 2.0 High Speed Host
- Print Server via IPP
- File Server via SMB and FTP supporting FAT, FAT32, NTFS

Security / Firewall
- Stateful Packet Inspection (SPI) Firewall, NAT, MAC Filter
- PAP (RFC 1334) / CHAP (RFC 1994) / MSCHAP
- IP Packets Filtering based on IP Address / Port Number / Protocol Type
- Inbound/outbound IP Filter and DoS Attack

Confguration/Management
- User-friendly web confguration interface; password protected access with 2 login levels (user, admin)
- Installation Wizard
- Telnet Session for Local or Remote Management
- Firmware upgrades through HTTP
- Confguration File Backup and Restore
- Support of TR-069

Certifcates & Environment

EMC
- Emission: EN 55022, Class B
- Immunity: EN 55024
- Wireless LAN: EN 301 489-17 and EN 300 328

Resistibility
- ITU-T K.21

Safety
- EN60950-1

Environmental Conditions
- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 70°C
- Transportation Temperature: -40 to 70°C
- Relative Humidity: 20% to 90% (non-condensing)

Compliances
- RoHS: 2002/95EG
- CE Marking

Dimensions / Weight

Net
- 185 x 128 x 32 mm / 0.35 kg

Gross
- t.b.d.

Ordering Number
SLR-4370 (Annex A):   S1621-H149-S
(EAN: 7640141370490)
SLR-4370-I (Annex B): S1621-H150-S
(EAN: 7640141370483)

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www.sis-group.com

ADSL WLAN 11n Router with USB-Host
SLR-4380 / SLR-4380-I

Surf the internet, do emails and run multi media at DSL Speed. On several computers all at the same time - save through the builtin frewall.

4 switched Fast Ethernet ports for comfortable home networking.

The USB 2.0 High Speed Host Interface allows for connection of a (Network-) Printer or an external Hard Disc Drive to a local network.

Modern 11n WLAN standard guarantees secure wireless internet and networking access.

The Router SLR-4380 is a ADSL Broadband Access Gateway especially designed for High Speed Internet, IPTV and Video on Demand over one single broadband connection.

Extensive Quality of Service mechanisms help to assure a high Service Quality for IPTV. The SLR-4380 integrates a ADSL2+ modem, router, frewall, Wireless 11n AccessPoint, 4 Port Ethernet Switch and USB-Host in one device.

This Router is very easy to install/confgure and combines the established Internet service with the new service IP-TV in one single device.

Splitter DSL

Set Top Box

WLAN Notebook

Printer or Hard Disc

TV

PC
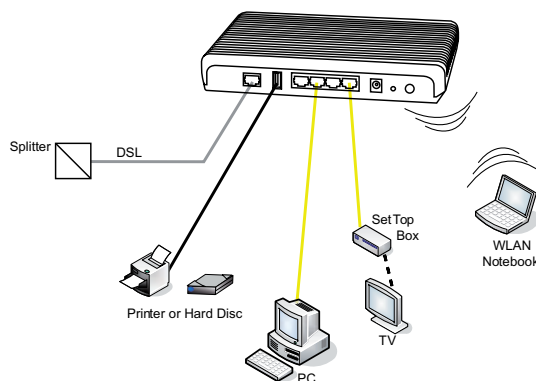
albis
technologies

Physical Characteristics

Interfaces
- 1 ADSL Port (RJ-45, grey)
- 1 USB 2.0 High Speed Host Port; feeding 500 mA
- 4 Switched Fast Ethernet Ports (RJ-45, yellow,
  10/100Mbps, MDI/MDIX Auto-Sensing)
- WLAN according to IEEE 802.11n
- Reset Button to reset or to restore the factory
  default settings
- WLAN/WPS on/off button
- Power on/off button

LED Indicators
- 10 LEDs: Power, Internet, USB, WLAN, ADSL,
  LAN1-4, WPS

CPU-Platform
- Broadcom BCM6358
- 8 MB Flash, 32 MB RAM

Power Consumption
- 15 VDC / max. 0.8 A

ADSL Compliance

ADSL
- ANSI T1.413 Issue 2,
  ITU G.992.1 Annex A/B (G.dmt),
  ITU G.992.2 Annex A/B (G.lite),
  ITU G.994.1 (G.hs)

ADSL2
- ITU G.992.3 Annex A/B (G.dmt.bis), Annex M

ADSL2+
- ITU G.992.5 Annex A/B

Networking

ATM Features
- Compliant to ATM Forum UNI 3.1/4.0 Permanent
  Virtual Circuits (PVC)
- Support of up to 8 PVCs for UBR, CBR, VBR-nrt,
  VBR-rt with Traffc Shaping
- Multi Protocol Encapsulation over ATM Adaptation
  Layer 5 (AAL5) (RFC 2684)
- Point-to-Point (PPP) over AAL5 (RFC 2364)
  Classical IP and ARP over ATM (RFC 2225)
- PPP over Ethernet (PPPoE): Supporting Relay and
  Client (RFC 2516)
- Support of OAM F4 / F5 End-to-End / Segment
  Loopback Cells

Bridging
- Support of IEEE 802.1d: Transparent Bridging
  among 10/100 MB Ethernet and 802.11b/g WLAN
- Support of dynamic learning of up to 512 MAC addresses
- IP Multicast, IGMP Snooping
- Support of 802.1q VLAN packet pass-through

Routing
- Static Route, Dynamic Route (RFC 1058 RIPv1 and
  RFC 1723 RIPv2)
- DHCP Server, DHCP Client, DHCP Relay
- NAT/PAT to allow multiple users on the LAN to
  access the Internet for the cost of only one IP address
- ALGs (Application Level Gateways) : such as
  NetMeeting, FTP, mIRC, Real Player, CuSeeMe, VPN
  (IPSec) pass-through with multiple sessions
- Port Forwarding to allow to setup multiple virtual servers
  (e.g. Web, FTP) on user's local network
- Dynamic DNS and DNS Relay
- IGMP Proxy
- DMZ
- UPnP 1.0 with NAT Traversal capability
- IEEE 802.1q VLAN Tagging

Wireless LAN
- IEEE 802.11b: 1, 2, 5.5 and 11 Mbps
- IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps
- IEEE 802.11n: up to 300 Mbps, auto-fallback;
  2 x 2, dual-band non-concurrent
- Operating Frequency: 2.4 / 5 GHz
- Operating Channels: Depending on local regulations
  (USA (FCC)/11, Europe (ETSI)/13)
- Antenna Type: 2 Built-in Diversity Antennas
- Wi-Fi Protected Setup (WPS) for easy setup
- Multi BSSID support (up to 2 SSIDs)
- Security: SSID hiding; WPA/WPA2/WEP-64/WEP-128
- Further Features: Support of Repeater function (WDS)

USB
- USB 2.0 High Speed Host
- Print Server via IPP
- File Server via SMB and FTP supporting FAT, FAT32,
  NTFS

Security / Firewall
- Stateful Packet Inspection (SPI) Firewall, NAT, MAC Filter
- PAP (RFC 1334) / CHAP (RFC 1994) / MSCHAP
- IP Packets Filtering based on IP Address / Port Number /
  Protocol Type
- Inbound/outbound IP Filter and DoS Attack

Confguration/Management
- User-friendly web confguration interface; password
  protected access with 2 login levels (user, admin)
- Installation Wizard
- Telnet Session for Local or Remote Management
- Firmware upgrades through HTTP
- Confguration File Backup and Restore
- Support of TR-069

Certifcates & Environment

EMC
- Emission: EN 55022, Class B
- Immunity: EN 55024
- Wireless LAN: EN 301 489-17 and EN 300 328

Resistibility
- ITU-T K.21

Safety
- EN60950-1

Environmental Conditions
- Operating Temperature: 0 to 40°C
- Storage Temperature: -20 to 70°C
- Transportation Temperature: -40 to 70°C
- Relative Humidity: 20% to 90% (non-condensing)

Compliances
- RoHS: 2002/95EG
- CE Marking

Dimensions / Weight

Net
- 185 x 128 x 36 mm / 0.35 kg

Gross
- t.b.d.

Ordering Number
SLR-4380 (Annex A):   S1621-H151-S
(EAN: 7640141370513)
SLR-4380-I (Annex B): S1621-H152-S
(EAN: 7640141370506)

SIS
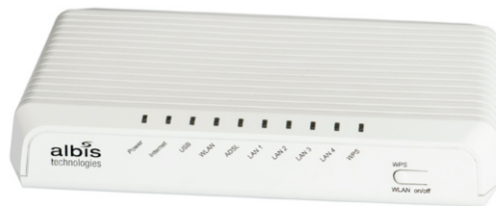**GERSIS GmbH**

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VDSL/ADSL IAD VLI-5360

Surf the internet, do emails and run multimedia at DSL Speed. On several computers all at the same time - save through the built-in frewall.

4 switched Fast Ethernet Ports for comfortable home networking.

The USB 2.0 High Speed Host Interface allows for connection of a (Network-) Printer or an external Hard Disc Drive to a local network.

Modern 11n WLAN standard garantees secure wireless internet and networking access.

Cost-effective voice calls over the Internet (VoIP) at high voice quality. Re-use of existing analogue phones.

The IAD VLI-5360 is a VDSL/ADSL Broadband Access Gateway especially designed for Triple Play Operation: High Speed Internet, IPTV, Video on Demand and VoIP-Telephony over one single broadband connection.

Extensive Quality of Service mechanisms help to assure a high Service Quality for VoIP and IPTV.

The VLI-5360 integrates a VDSL/ADSL2+ modem, router, frewall, Wireless 11n AccessPoint, 4 Port Ethernet Switch, USB-Host Port and 2 VoIP Ports in one device.

Existing analogue phones and fax devices can be connected to the IAD VLI-5360.

This IAD is very easy to install / confgure and combines the established Internet service with the new services IP-TV and Voice over IP in one single device.

Splitter DSL

Analogue Phone

Set Top Box

WLAN Notebook

Analogue Phone or Fax

PC

TV

Printer or Hard Disc
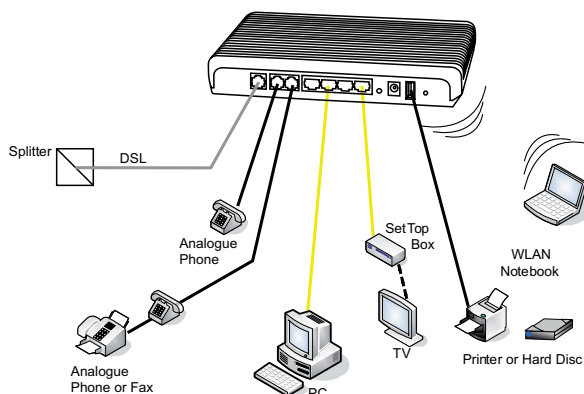
albis technologies

Physical Characteristics
Interfaces
- 1 VDSL/ADSL Port (RJ-11, grey)
- 4 Switched Fast Ethernet Ports (RJ-45, yellow, 10/100Mbps, MDI/MDIX Auto-Sensing)
- WLAN according to IEEE 802.11n
- 2 POTS Ports FXS (RJ-11, black)
  Characteristic Imp.: ETSI 270 Ohm + (750 Ohm // 150 nF)
  Relative Levels: 0 / -7 dBr for Transmit / Receive
  Loop Current: 22 mA @ 600 Ohm
  Ringing Signal: 25 Hz; 37 Vms @ 2,7 kOhm + 6,8 nF
- 1 USB 2.0 High Speed Host Port; feeding 500 mA
- Reset Button to reset or to restore the factory default settings
- WLAN/WPS on/off button
LED Indicators
- 10 LEDs: Power, Alarm, DSL, WLAN, LAN1-4, FSX1-2
CPU-Platform
- Broadcom BCM6368
- 8 MB Flash, 64 MB RAM
Power Consumption
- 15 VDC / max. 1,2 A

VDSL Compliance
- ANSI T1.424-2004
- ETSI TS 101 270-1 and TS 101 270-2
- Handshake protocol ITU-T Rec. G.994.1
- Support all VDSL2 profles (8a, 8b, 8c, 8d, 12a, 12b, 17a)
- Extended US0 band up to 276 kHz
VDSL
- ITU-T G.993.1-2004
VDSL2
- ITU-T 993.2

ADSL Compliance
ADSL
- ANSI T1.413 Issue 2,
  ITU G.992.1 Annex A/B (G.dmt),
  ITU G.992.2 Annex A/B (G.lite),
  ITU G.994.1 (G.hs)
ADSL2
- ITU G.992.3 Annex A/B (G.dmt.bis)
ADSL2+
- ITU G.992.5 Annex A/B

Networking
ATM Features
- Compliant to ATM Forum UNI 3.1/4.0 Permanent Virtual Circuits (PVC)
- Support of up to 8 PVCs for UBR, CBR, VBR-nrt, VBR-rt with Traffc Shaping
- Multi Protocol Encapsulation over ATM Adaptation Layer 5 (AAL5) (RFC 2684)
- Point-to-Point (PPP) over AAL5 (RFC 2364)
- Classical IP and ARP over ATM (RFC 2225)
- PPP over Ethernet (PPPoE): Supporting Relay and Client (RFC 2516)
- Support of OAM F4 / F5 End-to-End / Segment Loopback Cells
Bridging
- Support of IEEE 802.1d: Transparent Bridging among 10/100 Mb Ethernet and 802.11n wireless
LAN
- Support of dynamic learning of MAC addresses
- IP Multicast, IGMP Snooping
- Support of 802.1q VLAN packet pass-through
Routing
- Static Route, Dynamic Route (RFC 1058 RIPv1 and RFC 1723 RIPv2)
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USB
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Wireless LAN
- IEEE 802.11b: 1, 2, 5.5 and 11 Mbps
- IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps
- IEEE 802.11n: up/to 300 Mbps, auto-fallback; 2x2 dual-mode non-concurrent
- Operating Frequency: 2.4 or 5 GHz
- Operating Channels: Depending on local regulations (USA (FCC)/11, Europe (ETSI)/13)
- Antenna Type: Built-in Diversity Antenna
- Wi-Fi Protected Setup (WPS) for easy setup
- Security: SSID hiding; WPA/WPA2/WEP-64/WEP-128
- Further Features: Support of Repeater function (WDS), WMM

Security / Firewall
- Stateful Packet Inspection (SPI) Firewall, NAT, MAC Filter
- PAP (RFC 1334) / CHAP (RFC 1994) / MS-CHAP for PPP session
- IP Packets Filtering based on IP Address / Port Number / Protocol Type
- Inbound/outbound IP Filter, URL Filtering and and DOS Attack

Voice over IP Features
- Call Control Protocol: SIP client (RFC 3261)
- Support of two SIP Accounts
- Voice Transport: compliant to RTP (RFC 1889/3550)
- Tones according to 1TR52
- Tone Generation: support dial tone, ring back tone, busy tone, ring tone, and various tones on demand
- Tone Detection: support DTMF
- RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals (RFC 2833)
- Echo Cancellation according to G.168; Voice Activity Detection (VAD); Comfort Noise Generation (CNG)
- Real time Fax over IP according to ITU-T T.38 and G.711 basic fax pass-through (RFC3362)
- Supported Codecs: G.711a-/ -law, G.729a (optional)
- Traffc fow control to guarantee voice quality
Call Features
- Basic outgoing/incoming call, Caller ID (CLIP), Call Hold, Call Waiting, Call Forwarding, Speed Dialing, Dialing Rules, Carrier Pre-Selection, Country Code/Adrea Code, Call Log List

Confguration/Management
- User-friendly web confguration interface; password protected access with 2 login levels (user, admin); multiple Language Support: German and English, other languages on request
- Installation Wizard
- Telnet Session for Local or Remote Management
- Firmware upgrades through HTTP, TFTP, or FTP
- Confguration File Backup and Restore
- Support of TR-069 and TR-104

Certifcates & Environment
EMC
- Emission: EN 55022, Class B
- Immunity: EN 55024
- Electromagnetic Field: EN 50371
- Wireless LAN: EN 301489-17 and EN 300328
Resistibility
- ITU-T K.21
Safety
- EN60950-1
Environmental Conditions
- ETS 300019
- Operating Temperature: 5 to 40°C
- Storage Temperature: -25 to 55°C
- Transportation Temperature: -40 to 70°C
- Relative Humidity: 5% to 95% (non-condensing)
Compliances
- RoHS: 2002/95EG
- CE Marking

Dimensions / Weight
Net
- 215 x 157 x 32 mm / 0.498 kg
Gross
- 264 x 209 x 116 mm / 1.426 kg

Ordering Number
VLI-5360 (ADSL Annex A): S1626-H11-S
(EAN: 7640141370650)
VLI-5360 (ADSL Annex B): S1626-H12-S
(EAN: 7640141370667)

03-20090629

SIS

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Andreas Gerold
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E-mail: andreas.gerold@gersis.eu

Michael Litvinko
Tel.:   + 375 17 259 11 03
Fax: + 375 17 259 11 18
Mobil: + 375 297 600 103
E-mail: mikhail.litvinko@gersis.eu

www.sis-group.com

VDSL/ADSL WLAN 11n Router
with USB-Host VLR-4380

Broadband
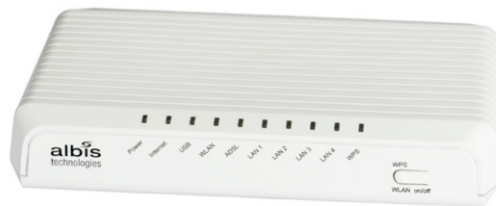
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Extensive Quality of Service mechanisms help to
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This Router is very easy to install / confgu-
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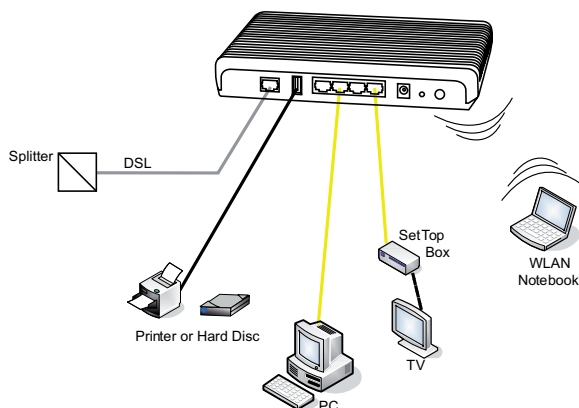
Splitter

DSL

SetTop
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WLAN
Notebook

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albis
technologies

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- CE Marking

Dimensions / Weight

Net
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Gross
- t.b.d. mm / t.b.d. kg

Ordering Number
VLR-4380 (ADSL Annex A): S1624-H31-S
(EAN: 7640141370636)
VLI-4380 (ADSL Annex B): S1624-H32-S
(EAN: 7640141370643)

01-20090629

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